1889MNRAS..49..322S

Observations of the Variable Star S (10) *Sagittæ.*
By J. E. Gore.

The following are my observations of this short period variable during the year 1888. They form a continuation of the observations given in *Monthly Notices* for March 1888.

The comparison stars are as before.

	Mag.
11 Sagittæ	5·8
DM. + 16°, 4086	7·0

Date.	Dublin M.T. h m	Mag.	Date.	Dublin M.T. h m	Mag.
1888, Jan. 2	6 22	6·25	1888, Oct. 22	10 10	6·5
5	5 45	5·65	Nov. 6	7 55	6·16
8	6 10	5·7	9	7 37	6·16
Oct. 5	10 15	6·25	13	7 30	5·85
10	10 40	5·7	14	6 45	6·16
12	10 15	6·0	25	6 48	6·28
13	7 35	6·16	27	8 55	5·7
13	10 42	6·25	30	6 44	5·9
14	6 58	6·28	Dec. 7	7 34	5·8
16	10 15	5·7	8	8 2	5·8
20	9 25	6·25	9	6 36	5·9
22	7 52	6·4	26	6 40	5·9

Note on a Red Star. By E. J. Stone, M.A., F.R.S., Radcliffe Observer.

Whilst searching for Faye's Comet on the night of 1888, November 27, which could not be seen with the 10-inch Barclay equatorial, a star was noticed by Mr. Bellamy as "a vividly red coloured star."

On February 9, 1889, Mr. Robinson looked for the above star, and made the following observations: "This star was easily picked up from its colour contrasting with all the other stars in the vicinity. It is undoubtedly red. A white star, slightly fainter, precedes 4′ N.; also a bright white star follows 6′ S. The star turns out to be Lalande 16320, and the following are the positions of the star and those compared with it on 1889, February 9.

	Approx. R.A. 1889·0. h m s	Approx. N.P.D. ° ′ ″	Colour.	Observed Magnitude.
Lamont 22	8 13 31	86 49 19	White	8·75
Lalande 16320	8 14 18	86 53 13	Red	8·5
Lalande 16341	8 14 54	86 59 4	White	7·0

Radcliffe Observatory, Oxford:
1889, *March* 7.

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Observations of Comet Barnard (1888, *September* 2) *and Comet Barnard* (1888, *October* 30), *made at the Radcliffe Observatory, Oxford.*

(*Communicated by E. J. Stone, M.A., F.R.S., Radcliffe Observer.*)

The following observations were made with the Barclay equatorial, using the ring-micrometer, with power 100.

Comet Barnard (1888, *September* 2).

Date.	G.M.T.	Local Sidereal Time.	Observer.	☄−✱ (Corrected for Refraction only.) R.A.	☄−✱ (Corrected for Refraction only.) N.P.D.	No. of Comparisons.	Apparent R.A. of Comet.	Parallax in R.A. p	Log ($p\times\Delta$).	Apparent N.P.D. of Comet.	Parallax in N.P.D. q	Log ($q\times\Delta$).	Reference to Comparison Star.
1888.	h m s	h m s		m s	′ ″		h m s	s		° ′ ″	″		
Nov. 26	8 56 30	1 16 18	F. B.	−0 32·68	+1 35·0	6	2 49 14·51	−0·13	9·1598	95 11 22·4	−6·66	0·8653	(*a*)
26	8 56 39	1 16 27	F. B.	−3 10·50	+1 4·6	7	2 49 13·94	−0·13	9·1598	95 11 15·7	−6·66	0·8653	(*b*)
26	9 7 40	1 27 30	F. B.	−0 35·87	+1 39·4	8	2 49 11·32	−0·12	9·1067	95 11 26·8	−6·67	0·8658	(*a*)
27	9 52 5	2 15 59	W.	−0 36·05	+6 12·2	12	2 42 12·64	−0·04	8·6210	95 26 54·8	−6·67	0·8686	(*c*)
27	10 17 59	2 41 57	W.	−0 42·78	+6 23·7	3	2 42 5·91	0·00	...	95 27 6·3	−6·68	0·8688	(*c*)
27	10 17 59	2 41 57	W.	−2 43·50	+0 13·8	3	2 42 5·82	0·00	...	95 27 8·0	−6·68	0·8688	(*d*)
27	13 24 3	5 48 32	F. B.	+0 46·16	...	7	2 41 12·88	+0·24	9·4274	...	...	...	(*e*)
27	13 24 3	5 48 32	F. B.	−1 37·17	+5 45·7	7	2·41 12·71	+0·24	9·4274	95 28 48·7	−6·53	0·8592	(*f*)
Dec. 22	9 13 2	3 15 23	R.	−0 28·34	−6 14·7	7	0 41 37·67	+0·15	9·3599	97 39	−4·86	0·8701	(*g*)
1889. Feb. 9	6 50 48	4 5 57	R.	+0 47·79	...	5	23 42 28·69	+0·13	9·5259	...	...	...	(*h*)
9	6 53 0	4 8 9	R.	...	−2 17·4	4	...	...	...	94 29 3·9	−2·75	0·8485	(*h*)

B B

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